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C. L. Cohen  
Channah Graham

Regarding the following Application:

Applicant(S): KUO, Wen-Yi Examiner: GHEBRETINSAE, T.

Serial No./ Patent No.: 10/705,358 Group Art Unit: 2611

Filed/Issued Date: November 11, 2003 Attorney Docket No.: P-9545-US1

Title: ADAPTIVE CHANNEL ESTIMATION USING CONTINUOUS PILOT SIGNAL BASED ON DOPPLER PERIOD

**Please find:**

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| 1. <input type="checkbox"/> Provisional Cover Sheet   | 9. <input type="checkbox"/> Response to Notice to File Missing Parts   |
| 2. <input type="checkbox"/> Utility Patent Application Transmittal  | 10. <input type="checkbox"/> Response to Notice of Incomplete Reply  |
| 3. <input type="checkbox"/> RCE Transmittal Sheet   | 11. <input type="checkbox"/> Request for Correction of Filing Receipt  |
| 4. <input type="checkbox"/> Fee Transmittal Sheet   | 12. <input type="checkbox"/> Information Disclosure Statement including:<br>- Form PTO/SB/08 and references _____                                |
| 5. <input type="checkbox"/> Patent Application Under 35 USC 111(a)  | 13. <input type="checkbox"/> Preliminary Amendment   |
| <input type="checkbox"/> Provisional Patent Application Under 35 USC 111(b)   | 14. <input type="checkbox"/> Response to Office Action<br>dated _____  |
| <input type="checkbox"/> Transmittal Sheet for Entering National Phase<br>Containing:<br>____ Pages of Specification<br>____ Pages of Claims<br>____ Page of Abstract<br>____ Pages of Formal Drawings<br>____ Pages of _____ | 15. <input type="checkbox"/> Petition for a One Month(s) Extension of Time   |
| 6. <input type="checkbox"/> Signed Declaration & Power of Attorney  | 16. <input type="checkbox"/> Notice of Appeal <input type="checkbox"/> Appeal Brief _____  |
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| 8. <input type="checkbox"/> Recordation of Assign. Cover Sheet & Signed Assign.   | 18. <input type="checkbox"/> Submission of Formal Drawings: Two sets of<br>____ Sheets containing Figs. _____                                    |
|   | 19. <input type="checkbox"/> Copy of Priority Doc.   |
|   | 20. <input type="checkbox"/> Claim for Convention Priority   |
|   | 21. <input checked="" type="checkbox"/> Revocation and Power of Attorney, including:<br>- Statement Under 37 CFR 3.73(b)<br>- Copy of Assignment |
|   | 22. <input type="checkbox"/> Other:  |

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Attorney Docket No. NO. 442 P. 2-02  
-33-US.

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**JUN 14 2007**

APPLICANT(S): KUO, Wen-Yi

SERIAL NO. /

PATENT NO.: 10/705,358

EXAMINER: GHEBRETINSAB, T.

FILED / ISSUED: November 11, 2003 GROUP ART UNIT: 2611

FOR: ADAPTIVE CHANNEL ESTIMATION USING CONTINUOUS PILOT  
SIGNAL BASED ON DOPPLER PERIOD

**POWER OF ATTORNEY AND  
REVOCATION OF PRIOR POWERS BY ASSIGNEE**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INTEL CORPORATION, the assignee of record of the entire right, title and interest in and to the above-identified Application, hereby revokes any and all prior Powers of Attorney;

and hereby appoints the following attorneys and/or agents with full Power of Substitution and Revocation to prosecute this Application, to make alterations and amendments therein, to receive the patent and to transact any and all business in or with the United States Patent and Trademark Office in connection therewith, provided that if any one of said attorneys or agents ceases being affiliated with the law firm of Pearl Cohen Zedek Latzer, LLP. as partner, employee or of counsel, such attorney's or agent's appointment as attorney or agent and all powers derived therefrom shall terminate on the date such attorney or agent ceases being so affiliated.

Mark S. Cohen	Reg. No. 42,425
Caleb Pollack	Reg. No. 37,912
Guy Yonay	Reg. No. 52,388
Guy Levi	Reg. No. 55,376
Rachel Teitelbaum	Reg. No. 56,708
David A. Loewenstein	Reg. No. 35,591
Robert D. Schaffer	Reg. No. 33,775
Michael A. Yamin	Reg. No. 44,414
Marc Tritel	Reg. No. 59,336
Lee A. Goldberg	Reg. No. 38,894
Cheryl J. Schindler	Reg. No. 59,848
Morey B. Wildes	Reg. No. 36,968
Zeev Pearl	Reg. No. 60,234

and said attorney(s) and/or agent(s) listed in Appendix A. These attorneys and agents are associated with Customer Number 49444.

Please send all correspondence and direct all telephone calls to:

Pearl Cohen Zedek Latzer, LLP  
1500 Broadway, 12th Floor  
New York, New York 10036  
Tel: (646) 878-0800  
Fax: (646) 878-0801  
Customer Number: 49444

Attached to this paper is a STATEMENT UNDER 37 CFR 3.73(b).

Respectfully submitted,

Date: 6/14/07

By Pam Matlock

Name: Pam Matlock

Title: Secretary of Patents

Appendix A

These attorneys and agents are associated with **Customer Number 49444**.

Robert D. Anderson, Reg. No. 33,826; Shireen I. Bacon, Reg. No. 40,494; Michael R. Barre, Reg. No. 44,023; George Chen, Reg. No. 50,807; Robert Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Rahul D. Engineer, Reg. No. 47,548; Cynthia Thomas Faatz, Reg. No. 39,973; Matthew C. Fagan, Reg. No. 37,542; James S. Finn, Reg. No. 38,450; Caroline M. Fleming, Reg. No. 45,566; Sanjay S. Gadkari, Reg. No. 55,796; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; David Guglielmi, Reg. No. 55,229; Julia A. Hodge, Reg. No. 46,775; Libby H. Hope, Reg. No. 46,774; Laleh Jalali, Reg. No. 40,031; Thomas R. Lane, Reg. No. 42,781; David McAbee, Reg. No. 58,104; Molly A. McCall, Reg. No. 46,126; Erik M. Metzger, Reg. No. 53,320; Larry Mennemeier, Reg. No. 51,003; Kenneth A. Nelson, Reg. No. 48,677; Michael J. Nesheiwat, Reg. No. 47,819; Erik R. Nordstrom, Reg. No. 39,792; Kathy J. Ortiz, Reg. No. 54,351; Lanny Parker, Reg. No. 44,281; Alan Pedersen-Giles, Reg. No. 39,996; Philip A. Pedigo, Reg. No. 52,107; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Derek J. Reynolds, Reg. No. 60,104; Crystal D. Sayles, Reg. No. 44,318; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; W. Russell Swindell, Reg. No. 50,906; John F. Travis, Reg. No. 43,203; Kerry Tweet, Reg. No. 45,959; Jerray Wei, Reg. No. 43,247; Cyndi Wheeler, Reg. No. 58,156; Stuart A. Whittington, Reg. No. 45,215; Robert Winkle, Reg. No. 37,474; Rita M. Wisor, Reg. No. 41,382; Sharon Wong, Reg. No. 37,760; Steven D. Yales, Reg. No. 42,242; and Guojun Zhou, Reg. No. 56,478; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Blvd., Santa Clara, CA 95052, telephone (408)765-8080; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: **KUO, Wen-Yi**Application No./Patent No.: **10/705,358**Filed/Issue Date: **November 11, 2003**Entitled: **ADAPTIVE CHANNEL ESTIMATION USING CONTINUOUS PILOT SIGNAL BASED ON DOPPLER PERIOD**

INTEL CORPORATION

, a CORPORATION

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

States that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the parent application/patent identified above by virtue of either

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the parent application/patent identified above, to the current assignee as shown below:

1. From: **KUO, Wen-Yi**To: **WISOM TECHNOLOGIES, INC.**

The document was recorded in the Patent and Trademark Office at

Reel **011829**, Frame **0948**, for which a copy thereof is attached.2. From: **WISOM TECHNOLOGIES, INC.**To: **INTEL CORPORATION**

The document was recorded in the Patent and Trademark Office at

Reel **013933**, Frame **0477**, for which a copy thereof is attached.

3. From:

To:

The document was recorded in the Patent and Trademark Office at

Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

6/11/07

Date

Pam Matlock

Signature

Pam Matlock

Typed or printed name

Secretary of Patents

Title

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

TOTAL P.05

4648-108 US

## ASSIGNMENT

WHEREAS, Wen-Yi Kuo as assignor has invented certain improvements in **ADAPTIVE CHANNEL ESTIMATION USING CONTINUOUS PILOT SIGNAL BASED DOPPLER PERIOD** and whereas Wiscom Technologies, 100 Walnut Ave, Suite 202, Clark, NJ 07066, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefore.

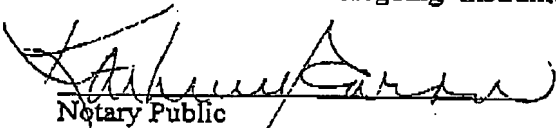
NOW, THEREFORE, in consideration of One Dollar(s) (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged. I, as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for a Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefore in the United States and all countries foreign, and the Commissioner of Patents is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for them and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representative all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

  
Assignor: Wen-Yi Kuo

State of NJ ) ss:

County of Middlesex

On this 17 day of May, 2001, before me personally came Wen-Yi Kuo, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Katherine T. Sardella  
Notary Public of New Jersey  
My Commission Expires 5/31/2002

**EXHIBIT B****Assignment of Patent Rights**

Whereas, Wisconsin Technologies, Inc., a Delaware corporation (hereinafter SELLER) is the sole and exclusive owner of certain United States and/or foreign patents and/or patent applications listed in Exhibit A annexed hereto (collectively referred to as the "Patents"); and

Whereas Intel Corporation, a Delaware corporation, with an office at 2200 Mission College Blvd., California 95052, (hereinafter INTEL) is desirous of acquiring the right, title and interest in, to and under the said Patents (and all foreign counterparts and related foreign patents).

*Now, Therefore,*

For good and valuable consideration, the receipt of which is hereby acknowledged, SELLER does hereby sell, assign, transfer and set over to INTEL, the Patents aforesaid, and any inventions claimed in said Patent, any reissue or reissues of said Patents already granted and which may be granted, any certificates of reexamination already granted and which may be granted the same to be held and enjoyed by INTEL for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by SELLER, if this assignment and sale had not been made; together with all claims for damages by reason of past infringement of said Patents, with the right to sue for, and collect the same for its own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives.

And, SELLER, hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States on said inventions to INTEL as assignee of the entire interest, and hereby covenants that SELLER has full right to convey the entire interest herein assigned, and that, except as otherwise provided between the parties, SELLER has not executed, and will not execute, any agreements in conflict therewith.

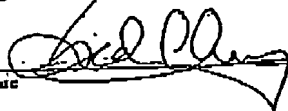
In Witness Whereof, the parties, by their duly authorized representatives, have executed  
this Assignment.

DATE: November 18., 2002

By: Ted Chang

Title: Acting Secretary

Signature

A handwritten signature in dark ink, appearing to read "Ted Chang", is written over a horizontal line. The signature is stylized with a large, sweeping flourish at the end.